

**Simplifying Linear Expressions (A)**

Simplify each expression by combining like terms.

1.  $-7d - 3 + 3d - 4d - 4d$

2.  $-3 + 2r + 7r + 4 + 8r$

3.  $-4 - 8 + 3h - 8h - 5h$

4.  $8r + 9 - 4r - 3r - 8r$

5.  $-3m - 1 + m - 5m - 2m$

6.  $2z - 7 - 8z + 9z + 9$

7.  $-1 - 9n + 8n + 7 - 7$

8.  $-8r - 2r + 3r - r + 3$

9.  $8w - 6w + 5 + 5 - 1$

10.  $3h - 3h + 7h + 8h + 3$

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**Simplifying Linear Expressions (A)**

Simplify each expression by combining like terms.

1.  $5r - 7 - 1 - 3r + r + 4r + 9 + 6 - 2r$

2.  $-9p + 3 + 4p + 7p - 4p - 4p$

3.  $8p - 3 + 9p + 6p + 2p - 6p - 3p - 9p$

4.  $-6c + 2c - 4c + 2 - 4c + 6c - 1 - 3 + 5c$

5.  $-9v - 9 - 5v - 5 - v + 2 - 8 - 9 + 7v + 5v$

6.  $-g - 4 - 5 - 9 + 5g + 7 - 9 + g - 9g$

7.  $3 + 8 - 3z - 5 - 9z - 1 - 6 - 4$

8.  $-9m - 8 - 3m + 8m - 7m + 4 + 3 + 4 - m$

9.  $3p - 3p + 3p + p + 7p + 7 - 4 - 3 - 3p - 7p$

10.  $9c + 9 + 2 - 8c + 6c - 5c - 9$

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**Simplifying Quadratic Expressions (A)**

Simplify each expression by combining like terms.

1.  $-5 - 5d^2 + 4d^2 + 9d^2 + 7$
2.  $-8b - 9 - 8b + 5b^2 - 8b^2 + 2b^2 + 6 + 5b$
3.  $-4 - 5b^2 - 1 - 2b - 6b^2$
4.  $-2c^2 - 4 - 2 - 4c^2 + 5c - 1$
5.  $8 - 7r + r^2 + 1 - 3r^2 - 8r$
6.  $8 - 5x^2 + 9x - 1 - 4 - 2x^2 - 7x + x - 8x + 7x^2$
7.  $4g - 4 - 3g^2 + 4g - 2 - g^2$
8.  $-3f - 2f^2 - 9f^2 + 3f + 9f - 5f$
9.  $-3 - 5p - 6p^2 - 8p^2 + 8p - 1 + 2 - 3$
10.  $6s^2 - 2s^2 - 8s + 7 + 3 - 4 - 5 - 5 + 8s$

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**Subtracting Quadratic Expressions (A)**

Simplify each expression.

1.  $7(-6x^2 - 9x - 5) - 4(-7x^2 - 7x + 7)$
2.  $6(m^2 - m + 9) - 8(m^2 + 2m - 3)$
3.  $-9(7k^2 - 4k + 6) - 2(2k^2 - 7k - 1)$
4.  $7(-5m^2 + 8m + 8) - 3(5m^2 + 8m - 3)$
5.  $-2(6x^2 - 8x + 1) - 6(3x^2 + 8x - 3)$
6.  $-(q^2 - 9q + 3) - 2(-9q^2 - 2q - 1)$
7.  $-4(-6d^2 + 8d - 1) - 8(5d^2 - 5d - 2)$
8.  $5(-9b^2 - 8b + 8) - 4(-5b^2 + 2b - 1)$
9.  $-9(2v^2 - v - 8) - 6(-5v^2 - 3v - 9)$
10.  $6(2f^2 + 9f - 4) - 7(3f^2 - 7f - 7)$

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